

ABSTRACT

A control unit is provided for controlling the delivery of a combustible gas in a valve unit of the type having a valve for shutting off the gas which is subject to the operational control of a magnetic safety unit with a thermocouple. The control unit includes an electronic circuit assembly arranged for connection to a sensor adapted to detect the presence of inflammable vapours or other dangerous substances. The circuit assembly is supplied by an electric power generator. The circuit assembly has an electronic type switch acting on the electric circuit for supplying the magnetic safety unit so as to interrupt the circuit and operate the valve for closure in the presence of inflammable vapours detected by the sensor.

Amendment to the Abstract:

The Abstract has been amended. A revised Abstract is attached.

A control unit is ~~described~~ provided for controlling the delivery of a combustible gas in a valve unit (2) of the type ~~comprising~~ having a valve means (4) for shutting off the gas which ~~are~~ is subject to the operational control of a magnetic safety unit (5) with a thermocouple (10). The control unit ~~comprises~~ includes an electronic circuit assembly (12) arranged for connection to a sensor means (13) adapted to detect the presence of inflammable vapours or other dangerous substances, ~~the~~ The circuit assembly (12) ~~being~~ is supplied by an electric power ~~generating~~ generator means. The circuit assembly (12) ~~comprises~~ has an electronic type switch (14) acting on the electric circuit (11) for supplying the magnetic safety unit (5) so as to interrupt the circuit and operate the valve means (4) for closure in the presence of inflammable vapours detected by the sensor means (13).

Attachment